CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Previously Presented) A two dimensional screening array comprising:

a plurality of molecules bound to surfaces of a fused fiber porous material, wherein the array contains at least 100 different molecules, each of the different molecules bound in a different predetermined region of the porous material; said material manufactured from alumina fibers, silica fibers, and a fusion source, wherein said material has a mean pore diameter of greater than 10 microns, and all of said material consists of a density of at least six pounds per cubic foot.

2. (Canceled)

3. (Previously Presented) The array of claim 1, wherein the fusion source is boron.

4. (Original) The array of claim 1, wherein the porous material is made from a composition comprising about 1% to about 50% by weight alumina, about 50% to about 98% by weight silica, and about 1% to about 5% by weight boron.

5-6. (Canceled)

7. (Previously Presented) The array of claim 1, wherein the exposed porous material surface is about 50% silicon dioxide or higher.

8. (Previously Presented) The array of claim 1, wherein the exposed porous material surface is about 75% silicon dioxide or higher.

9. (Previously Presented) The array of claim 1, wherein the exposed porous material surface is about 95% silicon dioxide.

10. (Original) The array of claim 1, wherein the molecules are oligonucleotides.

11-12. (Canceled)

13. (Original) The array of claim 1, wherein the molecules are DNA.

14. (Original) The array of claim 1, wherein the molecules are RNA.

15-36. (Canceled)

37. (Previously Presented) A two dimensional screening array comprising:

a plurality of molecules bound to surfaces of a fused fiber porous material, wherein the array contains at least 100 different molecules, each of the different molecules bound in a different predetermined region of the porous material; said material manufactured from alumina fibers, silica fibers, and a fusion source, wherein said material has a mean pore diameter of greater than 10 microns, and all of said material consists of a density of at least 12 pounds per cubic foot.

38. (Previously Presented) The array of claim 37, wherein the fusion source is boron.

39. (Previously Presented) The array of claim 37, wherein the porous material is made from a composition comprising about 1% to about 50% by weight alumina, about 50% to about 98% by weight silica, and about 1% to about 5% by weight boron.

40. (Previously Presented) The array of claim 37, wherein the exposed porous material surface is about 50% silicon dioxide or higher.

41. (Previously Presented) The array of claim 37, wherein the exposed porous material surface is about 75% silicon dioxide or higher.

42. (Previously Presented) The array of claim 37, wherein the exposed porous material surface is about 95% silicon dioxide.

43. (Previously Presented) The array of claim 37, wherein the molecules are oligonucleotides.

44. (Previously Presented) The array of claim 37, wherein the molecules are DNA.

45. (Previously Presented) The array of claim 37, wherein the molecules are RNA.